Recombinant Human ADAR Protein, Thr30-Gln360, N-His tagged

Cat. No. ADAR-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human adenosine deaminase, RNA-specific (ADAR), transcript variant 4, Thr30-Gln360, with N-terminal His tag, expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	Thr30-Gln360
Description	This gene encodes the enzyme responsible for RNA editing by site-specific deamination of adenosines. This enzyme destabilizes double-stranded RNA through conversion of adenosine to inosine. Mutations in this gene have been associated with dyschromatosis symmetrica hereditaria. Alternative splicing results in multiple transcript variants.
Molecular Mass	36.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>0.05 μg/μL as determined by microplate BCA method
Storage Buffer	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol

GENE INFORMATION

Gene Name	ADAR adenosine deaminase RNA specific [Homo sapiens (human)]
Official Symbol	ADAR
Synonyms	ADAR; adenosine deaminase RNA specific; DSH; AGS6; G1P1; IFI4; P136; ADAR1; DRADA; DSRAD; IFI-4; K88DSRBP; double-stranded RNA-specific adenosine deaminase; 136 kDa double-stranded RNA-binding protein; adenosine deaminase acting on RNA 1-A; dsRNA adenosine deaminase; dsRNA adeonosine deaminase; interferon-induced protein 4; interferon-inducible protein 4; EC 3.5.4.37
Gene ID	103
mRNA Refseq	NM_001025107
Protein Refseq	NP_001020278
MIM	146920
UniProt ID	A0A7P0Z4F9

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